

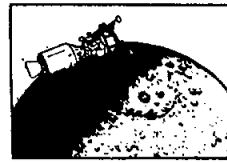
ROUNDUP

NASA MANNED SPACECRAFT CENTER HOUSTON, TEXAS

9-16

Vol. No. 16

June 5, 1970



This is
PBX Operators
Week

★
*John Hodge goes
to new job with
Transportation*

**AES group of IEEE
meets 6-17 7:30
Boeing Co. Cafeteria**

"Walking Tour" joins Visitors Program

A self-guided "walking tour" of three buildings at MSC has recently been added to the expanded program for visitors.

Blue arrows will lead visitors to the exhibit areas in Buildings 5, 12 and 29.

In Building 5, the Mission Simulation and Training Facility, a mock-up of the lunar surface will provide the background for a Lunar Rover, a deployed ALSEP package, and the descent stage of the LM.

Building 29, the Flight Acceleration Facility, is also open for the tour.

The third facility is Building 12, the Central Data Office.

The "walking tour" program supplements the existing visitors' program, and encourages visitors to view the exhibits and films in the Building 1 Visitors' Center. Visitors are urged to check at Building 1 to be sure that all tour buildings will be open on the day of their visit.

Buildings 5, 12 and 29 are open for the walking tour from 10 am to 4 pm weekdays, and 1 pm to 5 pm Sundays. The Center is closed on Federal holidays.

Holman new Pres. of A.F.G.E. Local

David N. Holman was elected President of the American Federation of Government Employees, local 2284, in the May 25 election.

Installation of officers will take place Monday, June 8, at 5 pm in the auditorium of Bldg. 30.

Following a planning and organization meeting, Holman and his officers will answer questions from the press.

The meeting and press conference are open to the public.



DISCOVERY of this deceptively ordinary-looking rock fulfilled the fondest hopes of many a scientist—it appears to be a rock dating from the time of the formation of the sun itself. The specimen contains 20 times as much Uranium, Thorium, and Potassium as any other lunar rock. Its age has been tentatively dated at 4.6 billion years.

★ "Grandfather" rock among samples

"It now appears that we have recovered from the surface of the Moon a sample that dates back almost to the formation of the solar system." This announcement was made last week by Anthony J. Calio, Director of Science and Applications at MSC, Dr. Paul Gast, Chief of Lunar and Earth Sciences Division, and Dr. G. J. Wasserberg, of Cal Tech.

The 4.6 billion year age of the sample (based upon analysis of isotopic ratios of Strontium-87 to Rubidium-87 and the isotope composition of Strontium in general) equals the age at which most scientists believe the planets and perhaps the solar system as a family were formed.

The rock sample, specimen

#12013, is about the size of a small lemon: $1\frac{1}{2}'' \times 1'' \times \frac{3}{4}''$. It is a unique rock sample neither typically breccia nor typically igneous, although it more closely resembles the breccias. Dr. Gast called it a "messy" rock, because it is marbled with light and dark veins, dark patches, and coarse and fine grain minerals.

A single slice of this rock was distributed to a team of 11 scientists from the US and England. This team is composed of principal investigators whose interests are in the isotopic analysis and age determination of all lunar samples. They are supported by other PI's carrying out mineralogy and trace element studies.

According to Calio and Gast,

(Wasserberg was in Leningrad, Russia, where he made the announcement concurrently at a Soviet science convention), "The exact origin of sample 12013 cannot be established at present, but it seems likely that it may have come from a highland area or from the rocks that underlie the Mare region. In the latter case, it could have been transported to its present location by the impact that formed the crater Copernicus. If the 4.6 billion year old age for this rock is substantiated, a wide variety of interesting experiments which will clarify the early stages of the evolution of the terrestrial planets will be made possible by future Apollo missions."



John D. Hodge

"Emmys" for NASA

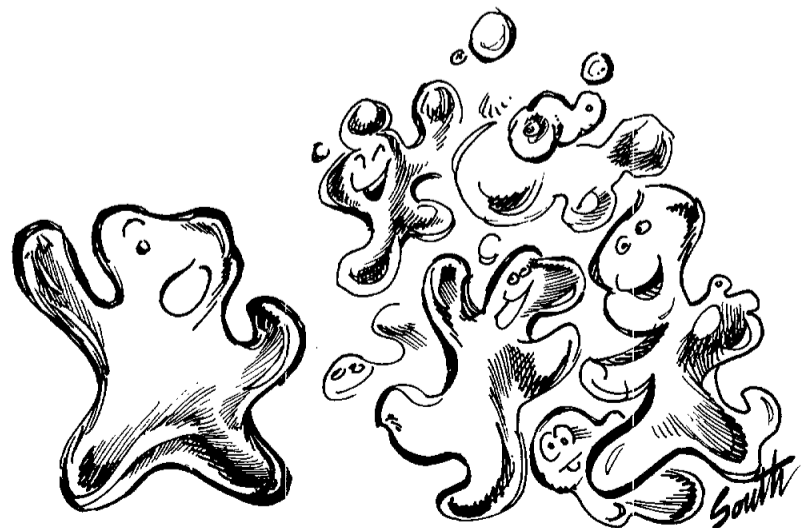
On June 7, the Emmy Awards will be presented in New York. Astronaut "Pete" Conrad is scheduled to attend, to accept a special Emmy on behalf of the Apollo 12 crew for TV coverage of their mission.

Tape clips will flash back to the Awards banquet held late last month in Los Angeles, at which Maxime Faget, MSC's Director of Engineering and Development, accepted another special Emmy on behalf of NASA for the engineering and development of color television on Apollo. The Westinghouse Corporation received a concurrent award at that banquet for work in developing the camera which was used on the flights.

News awards which have been presented to network correspondents for their coverage of Apollo missions will also be featured, as will the presentation of a special citation to NASA for the operational aspects of film coverage of the Apollo 11 mission.

THE ASTRONUTS

courtesy of TRW's gordon a. south



"One small step for streptococcus mitis, one giant step for all mankind!"

CLC Rendezvous features beauty queens, pieeaters

The first event in the Clear Lake-NASA area Rendezvous Festival—the crowning of the Queen of the Festival—will take place tonight at 7:30 pm at Clear Creek High School. Then tomorrow, at 11 am, the Festival parade will begin. The procession will consist of floats, horses and riders, bands, motorcycles, dune buggies, antique cars, and novelty units.

MSC will enter a float in the parade, and several astronauts are scheduled to take part as well.

There will be a carnival following the parade, a sailboat regatta, and a Rendezvous Ball that night.

The sailboat regatta is also planned for all day Sunday.

The events for the rest of the week include an "Olympic Day", bridge and tennis tournaments, a beauty contest, a pet show, a pie-eating contest, golf, a sports car rally and barbeque, swimming competition, a street dance, fireworks, a water-skiing show, a diving exhibition, and parades of lighted boats each night of the Festival. Mrs. Beverly Bolan at 877-2365 is publicity chairman for the Rendezvous Festival. She has complete lists of all events, times, and places for the 10-days of events.

Judo Club promotes fitness & defense

The NASA Judo Club started back at Langley Field in 1961 and has continued to function here at MSC since the move to Houston. The Club is affiliated with the United States Judo Association and is a Class A club under that organization.

The primary purpose of the Club is to provide members of the MSC community an opportunity to keep physically fit through the sport of judo. The



6' 5" VS 3' 5" doesn't make for the best odds, but boys from the NASA Judo Club love to beat up on the instructors.

sport itself was developed for the purpose of "mutual benefit and welfare" and is an aggressive but safe contact sport.

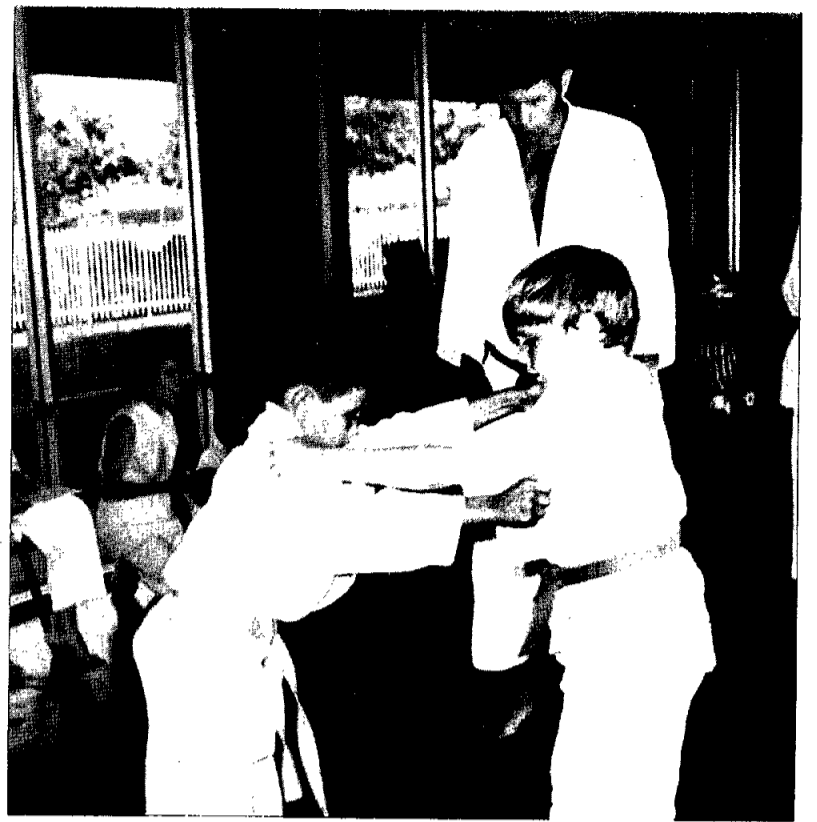
Judo is an excellent sport for children of all ages. Instructors of the NASA Judo Club stress obedience and self-control as well as good sportsmanship in the

kids. After a couple of months in judo, a noticeable improvement in a boy's coordination and balance is apparent.

The Judo Club participates in monthly contests with other clubs in the area as part of the Gulf Coast Judo League and also participates in AAU sanctioned



Of course the little guys don't always win. And, after all, learning how to fall correctly is one of the most important things to learn, the instructors say.



Youngsters from the NASA club 'work out' at the Clear Lake Recreation Center. Club President Dale Moore supervises the boys in "Randori."

events

The Club meets at the Clear Lake Recreation Center. The schedule is:

Juniors - Thursday 6:00 pm to 7:30 pm. Seniors - Thursday 7:30 pm to 9:00 pm. Mixed Class - Fridays 6:00 pm to 9:00 pm.

The Club will now accept girls and ladies on a regular membership basis but will emphasize self-defense rather than sport judo.

Those interested in the Club can call Dale Moore at 4501 Dutch von Ehrenfried at 7661,

The Frontier of Space

(excerpts from Remarks made by George M. Low, NASA Deputy Administrator, in a speech made in Houston on May 2, 1970.)

tion of 20% for cars so equipped.

Practical Applications

But there are even more direct

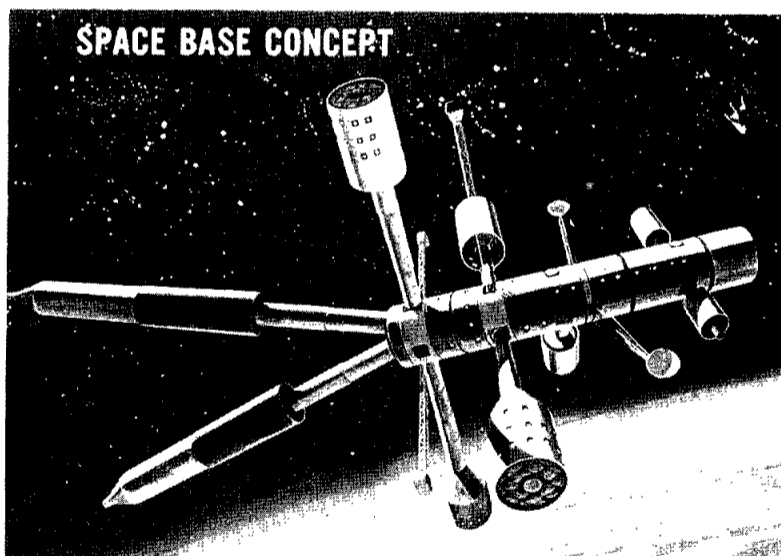
amples include routing of air traffic, marine navigation, agricultural warnings, water management, and

crease service, is of course, the communications satellite. It can supplement cable, radio, or microwave links where they exist, can provide their equivalent where they do not, and can, literally, interconnect every part of the world.

In 1960, you could not send live TV across the Atlantic; by 1965 it was possible but expensive; by 1969 the quality had been improved and the cost reduced to 19% of the 1965 rate.

The benefits to society of NASA's communication satellite work are widespread. Communications are the nervous system of organized society. Good global communications are not a luxury today—they are a basic building block for economic and social progress. NASA has led the already dynamic electronics and telecommunications industry into a new age and provided them with a major new technology. All of this has been accomplished and the 70-nation Intelsat organization created within 10 years. That fact, of itself, may be unique.

The NASA contribution has been to challenge and stimulate technical advance, forcing new inventions into the marketplace and making them work. This has a national value without a price tag. In my opinion, it is worth simply, the difference between continuing national progress and falling behind into a position of "second best," never again to catch up.



benefits and impacts of our space program. Take, for example, the field of meteorology.

The first weather satellite was launched April 1, 1960. Since then, progress has been rapid. Now, satellites take pictures not only in the visible light, but also in the infra-red, and show clouds during the daylight as well as at night. This year, less than a month ago, a satellite was launched which can tell the temperature at given heights in the atmosphere any place around the globe—information that is vital in long-range forecasts.

Probably the most dramatic impact of weather satellites is their ability to detect and track major storms, hurricanes, and threatening weather patterns, early enough and precisely enough to permit timely warning and decision. Ex-

protection or evacuation of threatened flood or storm areas.

Hurricane Camille, last August was one of the worst storms in our nation's history. Without early warning, without tracking, without the credibility provided by actual satellite pictures and data, ESSA estimates that 50,000 people might have perished in this devastating storm.

Next, let us look at the area of communications.

New uses are continually being found for telecommunications. Banks, stock exchanges, hotel reservations, cable TV, hospitals, computer centers and other new customers are appearing at an increasing rate. We are literally in the midst of a global communications explosion.

The newest development that can help meet this demand and in-

The road to the stars has been discovered—none too soon. Civilization cannot exist without new frontiers. It needs them both physically and spiritually.

Arthur C. Clarke

Many historians have pointed out that the energy and the exuberance, the inquisitiveness and the daring, the inventiveness, initiative and drive toward wider fields of enterprise were essentially pioneering responses to the opening of new frontiers that marked our history. And the consensus of many of these same historians had been that the beginning of our last geographical frontier marked the end of the nation's youth, and that the fresh, confident outlook of youth would never come to us again.

But these historians did not foresee, nor did anyone else, that we were on the threshold of a new pioneering age—that we were about to open a new endless frontier, the frontier of space.

A Stimulus to Technology

An excellent example of space-stimulated technical progress is the impact of new space requirements on the computer industry.

The industry engineers who developed our Mission Control Center computer system for Apollo tell us that without the forcing function of NASA's requirements, they would not have been able to exploit fully the inherent capabilities of their own machines to meet other requirements. Today, virtually every on-line, direct access, commercial computer system in the world is American and reflects the space guidance and

check-out requirements of some years ago.

This impressive record was built on excellence of performance through continuing technological superiority. In a large measure it was the stimulus of NASA's requirements that brought about these technological advances in the computer industry.

I could cite other examples where space technology perhaps more directly affects our daily lives. Take, for instance, one from the automotive industry. In order to meet the new Clean Air Act, the Chrysler Corporation reworked their automobile ignition systems, designing distributors to operate within much closer limits. To assist in this, they called in their own people who had developed the automated check-out and launch sequence equipment for the Saturn launch vehicle.

Another example is an automotive safety device which originated in the shock absorber that is used today on the couches in the Apollo spacecraft. The Bureau of Public Roads has tested it in connection with highway guard rails and found that it cuts down a 60-mile-per-hour impact to the equivalent of a 5-mile-per-hour impact.

The Ford Motor Company is aiming at incorporating this device into an automobile bumper as soon as possible, perhaps even on its 1972 models. The economic significance of this becomes apparent when you relate it to the Allstate Insurance Company's announced collision premium reduc-

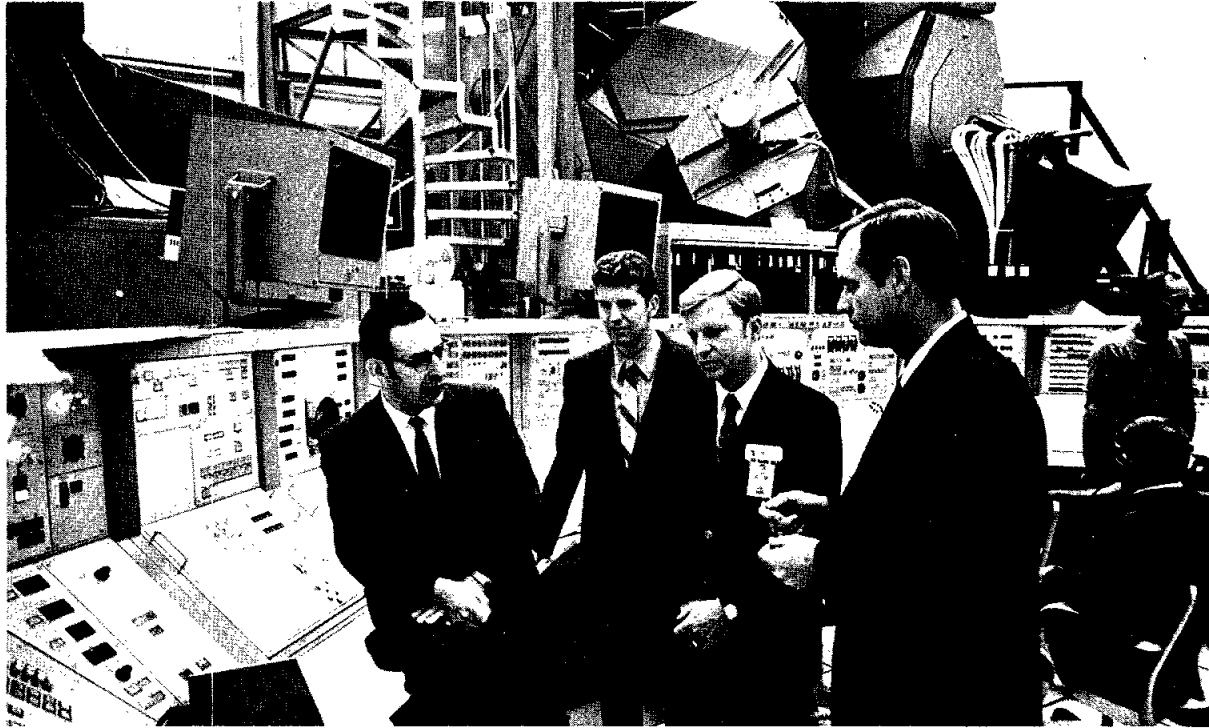
Apollo 13 Spotlights Mission Simulators

The Apollo Mission Simulators in Building 5 suddenly found themselves in the spotlight recently. Ground crews were inside the trainers around the clock, duplicating as nearly as their information would allow, the situation aboard the Apollo 13 spacecraft. Thanks to the ability to provide authentic simulation of events on-board Apollo 13, the instructions relayed to Odessey and Aquarius had already been fully tested before astronauts Lovell, Haise, and Swigert put them into action.

The Command Module Simulator (CMS) and the Lunar Module Simulator (LMS) represent a unique achievement in the art of simulator-trainers. None this complex have ever been built before.

Four digital computers support the CMS, three support the LMS. These computers plus their associated converters, resolvers, line printers, and so forth, provide aural, visual, and functional simulations of actual Apollo flights which are so complete that astronauts returned from space say that the simulations are virtually indistinguishable from actuality.

Not only are the crew compartments authentic replicas of the actual CM and LM, complete with functional switches, controls and displays, but the dynamic reactions of the crafts, and the sources of information for the astronauts are "real." They "hear" the sounds of the firing of the Saturn launch engines, RCS jets, cabin decompression and the LM-CSM docking. Even the noise levels in the



Simulation Branch Chief Stan Faber (left), poses at the console of the Command Module Simulator. With him are John Waters, Charles Olasky, and George Prude.

communications channels are accurately simulated.

Looking out their spacecraft windows the astronauts can see the Earth moving below them, the Earth, Moon and stars as they appear in orbit, the lunar surface as the LM touches down, and either the LM or CM as it appears in rendezvous and docking. If the docking is not properly executed, the modules will appear to rebound, just as they would in space.

Simulated starfields provided by highly calibrated celestial spheres provide navigational data correct to + or - 0.1° of arc of the stars' true interspatial positions.

The introduction of the "infinity

optics" viewing system was a simulation "first." Previous simulators had visual systems with definite focal points—unrealistic for deep-space sightings.

The computer complex takes cues from the astronaut, registers appropriate information on his controls, changes the views seen out the windows, and provides other appropriate aural cues.

Every event in the entire mission sequence can be simulated, stopped at any point for discussion between instructor and astronaut, and repeated as often as desired. A particular event can be "dialed up" at will, making it unnecessary to run through the en-

tire mission sequence.

Only simulation of motion, acceleration, and zero-g is not truly possible, although the effects of these sensations are partially provided by the aural and visual effects.

Instructors can train the pilots in not only nominal missions, but can introduce malfunctions into the "flight" as well—some 1100 malfunctions for the CMS alone, and nearly an equal number for the LMS. No flight crew has ever had enough training time to take a whack at all of them, even though the facility operates 3 shifts a day, 7 days a week, and has done so for the past five years.

Co-Op of month



Theodore J. Roscoe

Structures and Mechanics Division
University of Houston
Mechanical Engineering

Mr. Roscoe's contributions to the test activities of his section have been called by his supervisors "outstanding", "exceptional", "creative", "versatile" and "innovative". His job assignments have covered broad scientific and engineering disciplines, and are of the type usually expected of experienced graduate engineers.

Significantly, Mr. Roscoe has been recommended for appointment as an Aerospace Technologist upon completion of his course of studies at the University of Houston. Perhaps this speaks best of all for his abilities and contributions while still part of the Co-Op program.

Roundup Swap-Shop

(Deadline for Swap-Shop classified ad is Thursday of the week preceding Roundup publication date. (8 days before publication). Ads are limited to MSC civil service employees and assigned military personnel. Maximum length is 15 words, including name, office code and home telephone number. Send ads in writing to Roundup Editor, AP3.)

REAL ESTATE

- Rent: 4 br, large kitchen & den, 3 blocks from school, x3777, Bethpage, Mr. Clickner.
- House for rent, Hobby Airport area, M19-0480
- 3-2-2 Clear Lake City, spacious, drapes, walk-in closets, fireplace, assume 6%, \$166/mo, 488-3264 or x3036, Howley.
- 3-2-2 Gulf Meadows, Old English, huge trees, fenced, carpets, drapes, 5 1/4%, \$140/mo, M15-6043.
- 4-2-2 El Lago, executive quality, all custom deluxe, all king-size bedrooms, gas air, near water, wooded, assume 6%, or lease, 877-3028
- 4-2-2 Clear Lake City, \$27,800 total, \$3k down, \$217/mo., across from school, pool, 488-2991.
- 3-2-2 Nassau Bay Colonial, fenced, corner, formal living and dining, fireplace, assume 5 1/4%; also 133-ft. water-front lot, Nassau Bay Drive, \$12,500, 591-2340.
- 2-3-1 FHA, low equity, \$84/mo, Gulfgate area, 643-9615.
- 3-2-2 Miramar, central A/H, carpets, drapes, built-ins, screened/glassed patio, 6 1/4% conventional, x3286, Planche, or 474-2660.
- 3-2-2 Queens Court townhouse, sale or lease, utility room, deluxe extras, 1-story, 591-2287.

PETS

- AKC Dachshund, black with tan markings, female 2 1/2 yrs, \$35, 487-1567.
- Line Black Dun mare, 4-H Club champion, \$350, 877-2030.
- Free: Seven puppies need good homes, 5 male, six weeks old, 474-2319.
- AKC registered Shetland Sheep Dogs, 6 weeks old, wormed and shots, \$75 and \$100, x4711, Rogers, or M14-0686.

WANTED

- Car pool from SW Houston, 7:30 or 8 am shift, x2517, Lauten, or PA3-3087.
- Witness to accident at 2nd and E on Friday, May 8, x2749, Arnold, or 487-2890.
- Pilot SeMeL wants to fly Tail Dragger owned by individual, 471-1079, or 522-8537.
- Bunk bed set with mattresses, 946-3404.

MISCELLANEOUS

- 12' wood boat, small wheel trailer, MK28 motor, \$75 as is, x3511, Doughty.
- Size 7-8 wedding gown, white trimmed with alacon lace, shoulder train, veil to match, \$65, 487-1567.
- Large screen Zenith TV in beautiful Early American cabinet, x3518, Balinas.
- 20' GC-20 sailboat, sleeps two, almost new, x6208, Hinkle, or 877-2942.
- Underwood upright typewriter, \$45; also excellent brown tweed sofa, \$50; good condition antique Chippendale dining room suite, \$350, M19-2569.
- Archery bows: Bear Kodiak 50-lb, \$40; 2 Bear HC-300 37-lb, \$75 each; Wing 28-lb, \$25; White Wing 35-lb, \$35, 932-5275 after 5 pm.
- Classical guitar, \$75, play to appreciate, 649-4872 after 6 pm.
- Two love seats, \$25; matching swivel rocker, occasional chair, \$55 both; braided rug and mat, \$20, 932-2077.
- 1 1/4 ton Philco air conditioner, 220v, 7 yrs old, overhauled last year, \$50, 471-4589.
- 12' V-bottom, moulded fiberglass boat, x4924, Hawkins, or 932-3845 after 5pm.
- 2-speed Wollensak (3M) Stereo tape recorder/player, \$75, x3541, Cason.
- Finn 14 1/2' fiberglass sailboat, Olympic class, fully rigged and ready to sail, very good condition, includes trailer and cover, \$595, x3576, Finlayson, or 591-3446.
- Upright piano, \$75; 3-piece corner sectional, \$25, 534-5818.
- Chandelier from Mexico, unused, \$69, x5548, Voigt, or 488-1931 after 5 pm.
- 1 set mattress and box springs for double bed, \$10; 8x10' Hettrick tent, like new, \$30; Coleman lantern, \$3; 2 down-filled sleeping bags, \$10 each; x5491. Ojalehto, or 932-4165.
- Lady Kenmore deluxe washer, 16 lbs, 10 cycles, used only three months; also Goldspot air conditioner 16,500 BTU, 220v, used only two months, 488-2184.
- Sekonic 100, 8mm zoom movie camera, f/1.8, single lens reflex, automatic exposure, excellent

condition, \$55 or trade for good 35mm, x5536, Tucker, or 471-4055.

'69 Johnson 200hp outboard motor, like new, cost \$480, now \$325, 877-1657.

Blonde frosted human hair wig, set and styled only once, \$20, 932-3301.

9 hp Scott Atwater outboard motor, \$50, 944-4997.

AUTOMOBILES

- 68 Camero rally, SS396, 4-speed, British green, 26k miles, many extras, \$2550; also 67 Harley Davidson Sportster CH, silver-blue, strictly stock, bags and windshield available, 3500 miles, \$800, 932-3155
- 69 VW, air, radio, heater, beige/brown leatherette interior, excellent condition, complete maintenance, x2041, Dempsey, or 932-5719 after 5:30.
- 68 Plymouth Fury III, 4-dr sedan, low mileage, 575-1248.
- 67 Saab, radio, air, \$850, 649-4872 after 6pm
- 55 Mercedes 300 sedan, 300d fuel-injected engine in excellent condition, \$1200, x4926, James.
- 66 Chevy Impala, 4-dr, power, air, x4708, Briggs, or 946-5849 after 5pm.
- 60 VW sedan, radio, heater, good tires, battery and brakes, \$300, x5165, Fitzgerald, or HU8-4467 after 5 pm.
- 67 Ford Fairlane station wagon, air, radio, power, automatic, 45k miles, excellent condition, \$1995, 591-2340.
- 65 Olds, Jetstar 88, 4-dr hdtip, air, excellent condition, not from coast, \$1095, x3901, Schutt.
- 66 Comet, 6-cyl, automatic, air, swap for VW, \$2577, Jack.
- 64 Pontiac station wagon, air, power, radio, good condition, \$595, x4107, Stewart, or 485-1541.
- 66 Honda 90 + helmet, 4200 miles, good condition, \$150, 488-5022 after 5 pm.
- 3.5 hp minibike, excellent condition, new clutch, 1-yr old, 471-2447.
- 63 Dodge Polara 500, 2-dr hdtip, 383" engine, air, good tires, low mileage, 591-2974.
- 66 Mercury Voyager, 4-dr. station wagon, air, radio, heater, standard shift, clean, 645-8606.
- 60 VW sedan, air, automatic stick shift, \$1990, 932-4084 or 932-2734.
- 63 Plymouth Fury, power windows, all power, A/C, \$550 or best offer, must sell, x7311, Hughes, or 591-2287.

MAKE SURE



SMALL BUSINESS PLAYS A BIG ROLE IN OUR SPACE EFFORT

Late last month the National Small Business Program was kicked off with a special Small Business Week.

The program to support small business will run for approximately one year. All NASA installations have been asked to institute an aggressive program emphasizing the importance of the role of small business in support of NASA's programs.

Gov't Service no bore for *this* long timer!

John C. French, Deputy Manager for Safety at MSC, has been with the Government for more than 37 years. Some people might think that, therefore, his has been an uneventful life. I guess you *could* say that it has been pretty docile, if you consider paddling around the rivers of the Panamanian jungle with native guides boring. He did just that back in his high school days in Panama, when he worked for the Health Service during school vacations. Native guides paddled burnt-out logs, called "Cayucos", up the rivers of the Panamanian interior, taking the Health Service representatives to villages where they carried on a program of vaccinating the natives.

He continued to work in Panama periodically during the time he went to Carnegie Tech. Working as a guide, he took members of the Rockefeller Institute into the interior, where they compiled a survey on the economic and social condition of the Panamanians.

After graduating with a BS in Mechanical Engineering, he came back to Panama as an Associate Hydraulic Engineer.

French did hydraulics research and statistical analysis of the number of commercial and mil-

itary vessels using the Canal and projected the growth in the use of the Canal through the year 2000.

The "Third Locks" project was cancelled during World War II, making opportunities for research engineers scarce in Panama. Rather than settle for a routine design job, John French took a job in the States. He worked for the DOD as a civil and mechanical engineer designing and building airfields and a paratroop training camp in North Carolina.

When that job neared completion, he started looking for other opportunities.

While waiting for a job interview one day he glanced through the publications in the interviewer's waiting room. He noticed an advertisement sponsored by an organization called the NACA. They had openings in research positions. French sent a telegram, and landed a job as Systems Engineering Section Chief at Langley. That was in November of 1943. He moved to the position of Technical Assistant, Facilities Engineering Division, then to Project Manager for the design and development of the continuous flow Mach 12 Hypersonic Wind Tunnel.



John C. French

In February of 1959, French left Langley for the newly-formed Space Task Group. Why? "For something new", he says.

In his first position with the Space Task Group, he was in charge of Reliability and Quality Assurance programs for the initial phases of Project Mercury. Subsequently, he became involved in Flight Safety and has stayed with discipline ever since.

"Will you ever retire?" he was asked. With a twinkle in his eye, John French replied, "Perhaps, at some auspicious time." He remembers "bastante bien" the Spanish he first learned in Panama, and thinks that maybe now he'd like to explore Guadalajara and South America. If he does decide to go exploring, though, he wants to go in any style *but* primitive—guess he had enough of that back in the Panamanian jungles.

Your Job in Focus

CU pays 5½%

A semi-annual dividend was declared by the Board of Directors at their May Board Meeting. This was based on a 5½ annual percentage rate and paid on shares on deposit thru June 30, 1970. The dividend will be credited to your share account on June 30, 1970. Consider the FREE life insurance which you have on the first \$2,000 on deposit, and the 5½% yearly dividend, then ask yourself whether you can really *afford* to put your savings anywhere else!

Items to remember during the coming year:

- ★ Changes of address should be reported immediately to the C.U.
- ★ In by the 10th, earns from the 1st.
- ★ Only whole shares (even \$5) count for dividend credit.
- ★ Members of your immediate household may also join the Credit Union.
- ★ Accounts may be either personal or joint. If joint, both shares and any insurance become vested in the survivor, in case of death of either party.

Financial Statement as of 4-30-70

Assets:		Liabilities	
Loans to members	\$2,468,327.44	Accounts payable	\$ 32,229.18
Cash resources	46,290.33	Shares savings	2,412,490.54
Investments	27,334.07	Legal reserves	53,314.77
Equipment and Fixtures	2,661.89	Reserve for contingencies	2,542.48
Other assets	5,182.05	Undivided earnings	49,218.81
TOTAL	\$2,549,795.78	TOTAL	\$2,549,795.78

IN-SITE-OUT

Submit questions to the Roundup Editor, AP3.

Q. Why is it necessary for the mail room to open all our mail, then re-seal it with tape? Even the mail specifically addressed to an individual is opened, then sometimes sent to someone other than the person whose name is on the envelope. And besides, the tape is harder to cut than if the envelope were left just as it is!

A. The functions of the Correspondence Management Section are carried out in accordance with MSC 1551.1B, MSC 1450.1, various NASA Headquarters Instructions, as implemented by MSC, and guidelines furnished by the Office of the Director.

All "Postage and Fees Paid" mail is opened in the Section, with the exception of those categories described in Attachment 1 of MSC 1551.1B. The fact that a piece of official mail has a person's name on it does not necessarily mean that person is the only one concerned with the contents. In fact, mail is received addressed to persons who have transferred to another area without taking the prior function with them. This mail is sent to the proper area for action and, if

the addressee is thought to have a residual interest, an information copy is sent to him. The Office of the Director has furnished guidelines as to the Directorates, Offices, etc. which are to receive information copies of certain categories of mail. These guidelines are kept up to date.

Some mail, after opening, is found to need no further distribution. Such mail is returned to its envelope and a piece of tape placed over the opening to safeguard the contents against being lost from the envelope during handling.

Sometimes, too, mail is opened by mistake. When this happens, the mail is re-sealed with tape, and a note is attached to acknowledge the oversight.

Q. Is it true that if I retire before reaching age 55 I will receive a 2% reduction in my pension for each year that I am under age 55, even though I have had 20 years of service?

A. Yes. The only exception would be if you retired for disability then you would have no reduction for age.

Q. I understand that the list of those people entitled to reserved parking spaces is being revised. What are criteria for getting a reserved space, and how can I put my name on the list?

A. The Security Branch says that while no sweeping revision of the reserved parking situation is contemplated, changes occur all the time as people are transferred, or as their situations change.

The criteria for assignment of reserved parking spaces are explained in MSC Announcement 67-92.

Basically, reserved spaces are assigned to all GS-15's and above and to all Division Chiefs and

Chiefs of comparable level activities regardless of grade. Physically disabled persons who are not able to walk from the regular parking lots may also obtain reserved spaces, if the necessary documentation is provided. (See Announcement 67-92 for a more complete explanation of the reserved parking provisions.)

If you think you are entitled to a reserved parking place, contact BM4, Security.



Table Tennis Champs: Steve Jacobs, left, President of the MSC Table Tennis Club, presents the First Place Trophy to Art Satin for winning the MSC-EAA table tennis tournament. Curt Erck took third place, and Jim Spitzer, far right, placed second.



If at first you don't succeed . . . Last year the Lakers ended up in second place in the MSC Volleyball League. This year they beat the Association, 15-8 and 15-5, to capture the League Championship. Last year's champs the Grasshoppers, finished third. From left to right the Lakers are (back row) Jack Kochner, Ron Huffman, John Waters, Front row: Dennis Doherty, Jerry Greif, Gordon Fullerton, Wayne Whittington, L. J. Corcoran, absent: Jim Derbonne.